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Software Installation 5

The SC7000 Installer CD-ROM is supplied together with the SC7000. The software on this CD-ROM includes printer drivers, printer description files, utility software and screen fonts for each language. Please use the folder (or the directory) for the language desired. As folders within the language folders are same in content, in this manual language is not specified when describing folders.

The installation procedure is computer dependent, therefore it is described separately for each operating system in the next paragraphs. Even if your operating system is not mentioned below, you will be able to print to the SC7000 in most cases provided you configure your computer in order to send PostScript or PCL data.

To learn more about the function of the SC7000 software, we strongly recommend to read the computer setup section of the *SC7000 User Manual*. It explains the purpose of individual software components and will be of particular help if you cannot adhere to the installation procedures described here for any reason.

Software installation consists of two different steps: The first step is to copy files to the computer's hard disk. Most of this work is done automatically by installer programs. The second step, setup, requires more attention, because it customizes software and hardware of the SC7000 according to the system environment. Both steps of the installation procedure are covered by the *SC7000 Technical Administrator Manual*.

The *SC7000 User Manual* describes the everyday usage of the SC7000, e.g. how to select a certain paper size for printing. In many cases, software components include features for both setup and everyday use. For this reason, the description of the same software component, i.e. the printer driver or utility software, is split between the two manuals.

Those parts of the printer driver or utility software which are necessary for normal operation are described in the *SC7000 User Manual.* Parts which are considered to be installation procedures are described in the *SC7000 Technical Administrator Manual.*

5.1 Apple Macintosh and Compatible Computers

5.1.1 Printer Driver, Scanner Driver and SC7000 Utility

The SC7000 Installer CD-ROM for Macintosh compatibles contains a read me file, the SC7000 printer driver, PPD files, (roman) screen fonts, scanner driver, utility and PDFs software for Macintosh. A installer program is provided for easy installation.

Note that printing from the Macintosh means printing PostScript data, there is no PCL support for Apple Macintosh compatible computers.

Insert the SC7000 Installer CD-ROM for Macintosh into your CD-ROM drive. Double-click the CD-ROM icon and open the folder of the appropriate language. If you have a Macintosh Plus or Classic, open the Plus/Classic installer folder, and then double-click the **SC7000 Installer Classic** icon. The **SC7000 Installer** dialog box appears. For other models duble-click the **SC7000 Installer** icon.

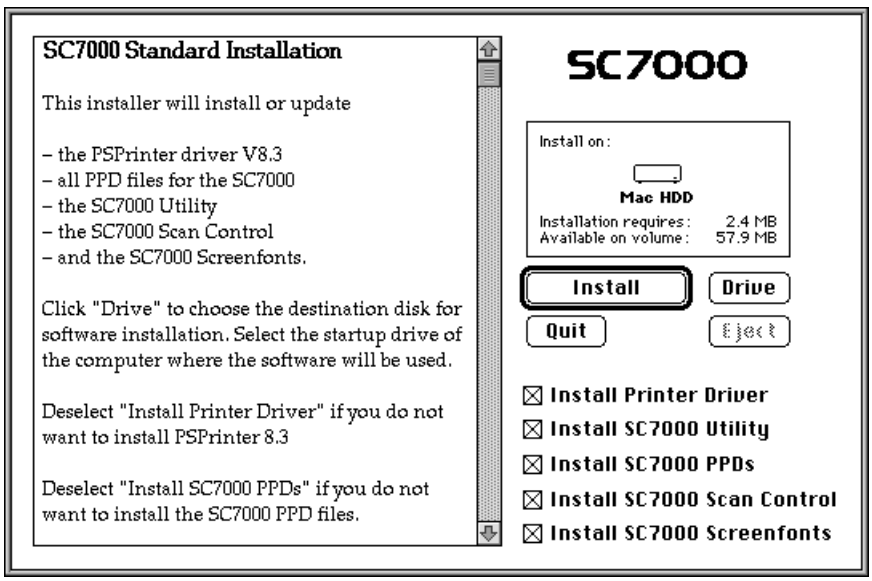
SC7000 Standard Installation
This installer will install or update
– the PSPrinter driver V8.3
– all PPD files for the SC7000
– the SC7000 Utility
– the SC7000 Scan Control
– and the SC7000 Screenfonts.
Click "Drive" to choose the destination disk for software installation. Select the startup drive of the computer where the software will be used.
Deselect "Install Printer Driver" if you do not want to install PSPrinter 8.3
Deselect "Install SC7000 PPDs" if you do not want to install the SC7000 PPD files.
SC7000
Install on:
Mac HDD
Installation requires: 2.4 MB
Available on volume: 57.9 MB
Install
Drive
Quit
Eject
Install Printer Driver
Install SC7000 Utility
Install SC7000 PPDs
Install SC7000 Scan Control
Install SC7000 Screenfonts

Figure 5.1: SC7000 Installer (Macintosh compatible)

The **SC7000 Installer** dialog box offers various software components for installation. The checkbox next to the component must be checked to install it. All components are checked by default.

You may choose to install the

PSPrinter printer driver
SC7000 PPD (PostScript Printer Description) files
SC7000 screen fonts
SC7000 scanner driver
SC7000 utility (LaserWriter utility).

It is recommended to leave all components selected.

The PSPrinter requires version 7.3 or later of the Chooser. The Chooser is part of your Macintosh operating system software. Please ask your Apple dealer in case that you need an update of the Chooser.

If you do not want to use the PSPrinter driver, you may alternatively use the LaserWriter driver (version 8 or higher) which is part of the Macintosh operating system software. Please note that this manual refers only to the PSPrinter which ships with the SC7000 and technical support for other printer drivers is not provided.

The SC7000 scanner driver is TWAIN-compatible. Therefore, the scanning application program must also support TWAIN. In many cases, the SC7000 scanner driver can be used from within a TWAIN-compatible scanning application program immediately after installation. Some application programs require additional setup to be aware of a TWAIN-compatible scanner driver. Please refer to the manual of your scanning application program for details.

The SC7000 utility for Macintosh compatibles is based on the Apple LaserWriter utility. The LaserWriter utility will be copied to your computer's hard disk by the SC7000 installer unchanged. A second step or patch is required to install additional functions specific to the SC7000 (as discussed below). After the second step, all functions specific to the SC7000 will be accessible from within the **Utilities** menu of the customized LaserWriter utility.

If there are multiple hard disk drives installed in your computer, click **Drive** to alternate between possible destinations for software installation.

The SC7000 utility (LaserWriter utility) will be installed in the **SC7000** folder at root level of the selected drive. Printer driver, PPD files, screen fonts and scanner driver will always be copied to the respective folders of the startup drive.

Click **Install** to begin installation.

After copying the necessary files to your hard disk, complete the installation by clicking the **Quit** button and ejecting the CD-ROM. After installation, you need to customize the LaserWriter utility in order to install additional functions which are specific to the SC7000.

Double-click the **SC7000 Customizer** icon in the SC7000 folder in the drive in which you installed the files to customize the LaserWriter utility for the SC7000.

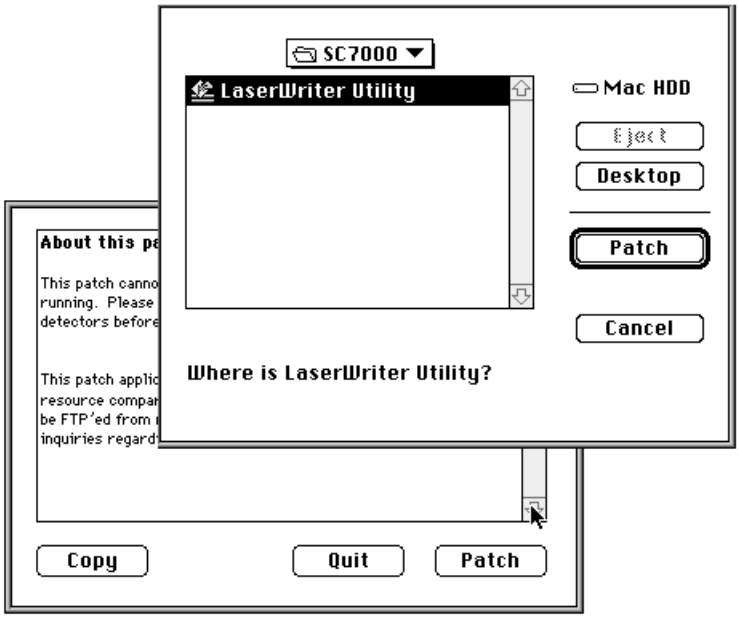

Figure 5.2: SC7000 Customizer (Macintosh compatible)

Select the LaserWriter utility from the **SC7000 Customizer** dialog box. Click **Patch** to install. A customized copy of the LaserWriter utility which is called SC7000 utility will be placed on your hard disk.

After you finished installation, restart your computer.

5.1.2 Screen Fonts

SC7000 screen fonts for the Macintosh compatibles are automatically installed by the **SC7000 Installer** described above.

5.1.3 PDFs (Printer Description Files)

The PDFs (Printer Description Files) for the SC7000 contained on this CD-ROM are for using your SC7000 with the QuarkXPress page layout program.

Please refer to the QuarkXPress program user manual for information on how to install PDFs on your computer.

Note that some new versions of QuarkXPress use PPD files instead of PDFs.

The Printer Description File contained herein is provided “as is” to the customer.

5.2 Microsoft Windows

The SC7000 PostScript and PCL printer drivers for Windows 3.1x and for Windows 95 are included in this CD-ROM.

If you prefer to use different drivers, e.g. the PostScript printer driver which comes with your Windows version, please refer to your operating system's documentation. The SC7000 CD-ROM contains some files which are necessary to install these drivers, but note that we cannot provide technical support for drivers other than the SC7000 printer drivers.

5.2.1 PostScript Printer Driver

To install the SC7000 PostScript printer driver, insert the SC7000 CD-ROM into your CD-ROM drive. Start Windows. Make sure to quit all other applications before installing the driver.

When using Windows 3.1x, choose **Run** from the **File** menu of the Windows 3.1x Program Manager. Run the installer program **SETUP.EXE** which is located in the \Win31\ADOBEPS directory of the CD-ROM.

When using Windows 95, click the **Start** button in the lower left corner of the screen. Choose **Run**. Select the installer program **SETUP.EXE** from the \Win95\ADOBEPS folder of the CD-ROM.

Follow the instructions displayed on your screen.

You will be asked to read some additional information during the installation procedure. Click **Read** to do this. Exit the Write (Windows 3.1x) or WordPad (Windows 95) application program used for display when you finished reading the text.

On Windows 3.1x, when installation is completed and after Windows is restarted, a PostScript Printers icon appears on the **Control Panel**.

The **Install PostScript Printer from PPD** dialog box appears. Select the drive containing the CD-ROM and choose the appropriate SC7000 model from the **Printer Descriptions Available** list. Click **Install**.

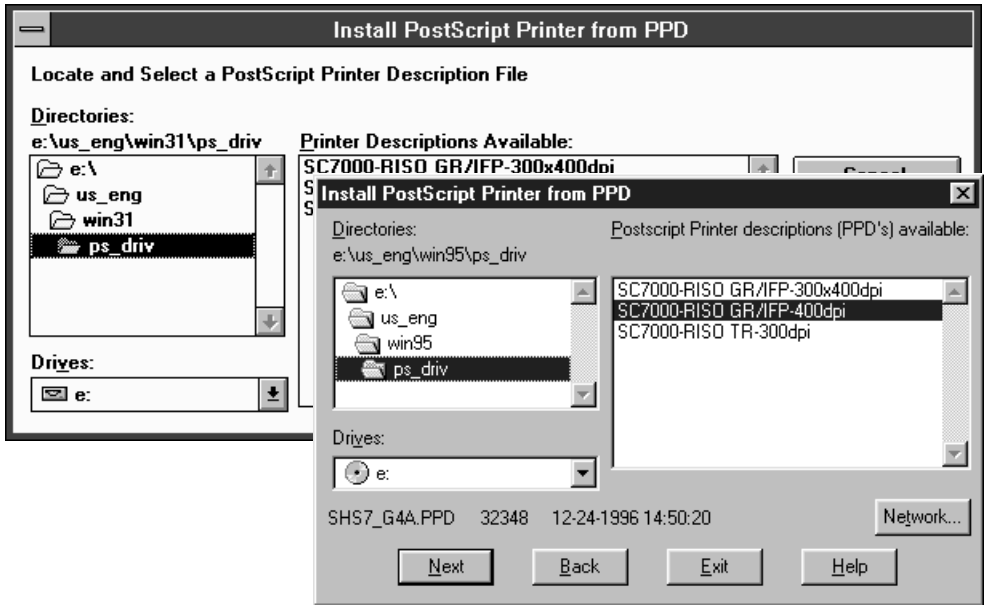

Figure 5.3: Install PostScript Printer From PPD Dialog Box (Windows)

After installation has been successfully completed, click **Close** to exit the **Install PostScript Printer from PPD** dialog box.

With Windows 95, the **Install PostScript Printer from PPD** dialog box appears during installation. Select the drive containing the CD-ROM and choose the appropriate SC7000 model from the **Printer Descriptions Available** list.

When the SC7000 printer is installed from the PPD file, it is assigned to the first available port. Make sure to assign the port where the SC7000 is physically connected.

If you are using Windows 95, double-click **Printers** from the **Control Panel**. Select the SC7000 printer icon. Choose **Properties** from the **File** menu. Click the **Details** tab. Select the port which is used to connect the SC7000 to your computer and click **OK**. Furthermore, choose **Set As Default Printer** from the **File** menu, if desired.

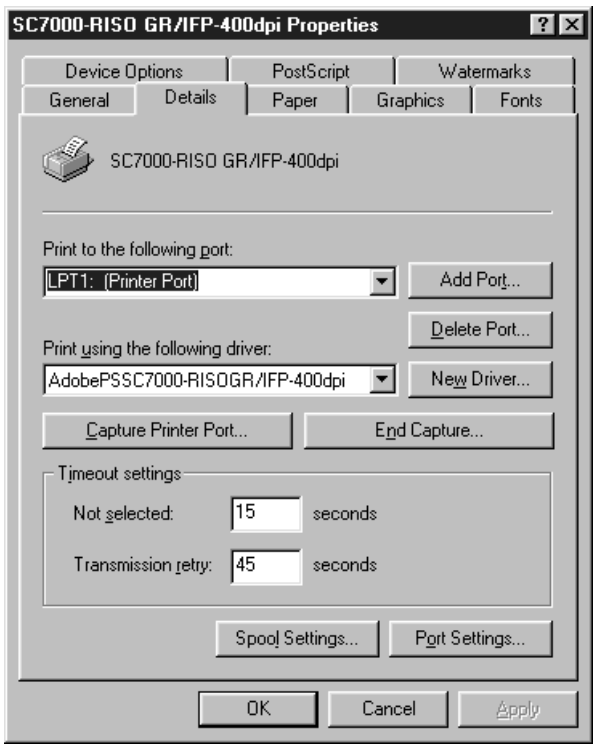

Figure 5.4: Properties Dialog Box / Details Tab (Windows 95)

After completing installation of the SC7000 PS Printer Driver in Windows 95, refer to the “System Setup” section of this manual.

When using Windows 3.1x, double-click **Printers** from the **Control Panel**. Click **Connect**. Select the port which is used to connect the SC7000 to your computer and click **OK**. Back to the **Printers** dialog box, click **Set As Default Printer**, if desired.

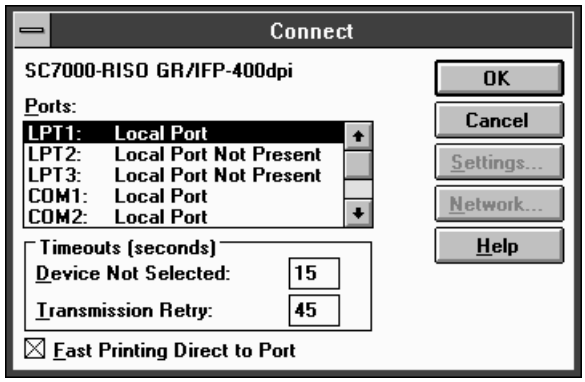

Figure 5.5: Connect Dialog Box (Windows 3.1x)

Now the SC7000 PS Printer Driver is installed in Windows 3.1x.
The **Setup** button will be used later in the system setup section of this manual.

5.2.2 PCL Printer Driver

To install the SC7000 PCL printer driver, insert the SC7000 Installer CD-ROM into your CD-ROM drive.

If you are using Windows 95, click the **Start** button in the lower left corner of the screen. Select **Settings**, then select **Printers**. In **Printers**, double-click the **Add Printer** icon.

Add Printer Wizard
This wizard will help you to install your printer quickly and easily.
To begin installing your printer, click Next.
< Back
Next >
Cancel

Figure 5.6: Add Printer Wizard Dialog Box (Windows 95)

The **Add Printer Wizard** from Windows 95 will guide you through the installation procedure.

You will be asked for the printer model to install. Click **Have Disk**, enter the drive where the SC7000 Installer CD-ROM is inserted and select the \Win95\PCL folder, then click **OK**.

Select the SC7000 PCL printer for your RISOGRAPH model from the list and click **Next** to continue.

Follow the instructions displayed on your screen.

After finishing installation, make sure to set up the PCL printer driver as explained in the chapter on system setup.

When using Windows 3.1x, start Windows.

From the **Program Manager**, double-click **Control Panel** which is located in **Main**. Double-click **Printers**.

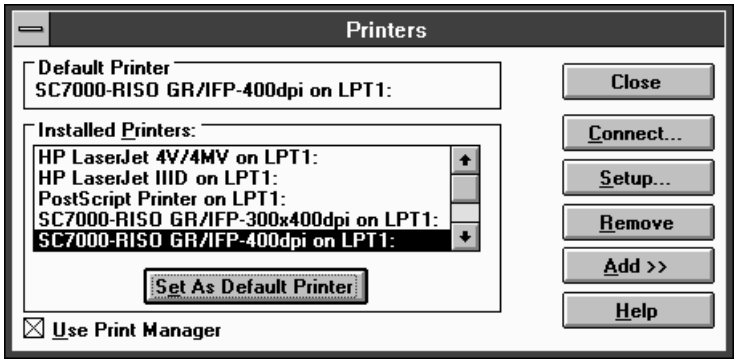

Figure 5.7: Printers Dialog Box (Windows 3.1x)

In the **Printers** dialog box, click **Add**. Select **Install Unlisted or Updated Printer** from the **List of Printers**. Click **Install**.

Enter the drive where the SC7000 CD-ROM is inserted and select the \Win31\PCL directory, then click **OK**.

Select the SC7000 PCL printer for your RISOGRAPH model from the list. Click **OK**.

The SC7000 PCL printer appears in the list of **Installed Printers**. Click **Set As Default Printer**, if desired.

Click **Connect** to assign the port which is used to connect the SC7000 to your computer, then click **OK**.

Finally, click **Setup** to configure the PCL printer driver as explained in the chapter on system setup.

5.2.3 SC7000 Utility, Scanner Driver

The SC7000 Installer CD-ROM contains two Windows versions of the SC7000 utility, and the scanner driver. Each version is located in a different directory of the CD-ROM. One of the two is 16-bit for Windows 3.1, 3.11, or 3.12. The other one is 32-bit for use with Windows 95. There is no difference between the two versions except the “look and feel” of the user interface.

Scanner driver and scan utility require an ASPI (Advanced SCSI Programming Interface) driver be installed prior to running the SC7000 installer program. This driver usually comes on floppy disk with the SCSI host adapter, but Windows 95 also provides a number of ASPI drivers for many popular host adapters.

For Windows 3.1x, the ASPI driver must be 16-bit. When using Windows 95, you have the choice to use a 16-bit or 32-bit ASPI driver for your SCSI host adapter. Prefer a 32-bit driver, if available.

The SC7000 scanner driver is TWAIN-compatible and therefore requires a TWAIN-compatible scanning application program.

A “Read Me” file included in the CD-ROM may contain further information.

To install the SC7000 utilities and scanner driver, insert the SC7000 Installer CD-ROM into your CD-ROM drive. Start Windows.

When using Windows 3.1x, choose **Run** from the **File** menu of the Windows 3.1x Program Manager. Select the **\WIN31\Utility** directory of the CD-ROM. Run the installer program **SETUP.EXE**. Make sure to run **SETUP.EXE** from within the **\WIN31\Utility** directory of the CD-ROM.

When using Windows 95, click the **Start** button in the lower left corner of the screen. Choose **Run**. Select the installer program **SETUP.EXE** from the **\WIN95\Utility** directory of the CD-ROM. Make sure to run **SETUP.EXE** from within the **\WIN95\Utility** directory, not from the **\WIN31\Utility** directory.

Follow the instructions of the installer program. You will be asked to enter the pathname of a destination directory for the SC7000 utility and scan utility on your hard disk during the installation process. The default pathname is C:\RISO.

After completing installation, the SC7000 utility and scan utility are located in a group called SC7000. Double-click the SC7000 utility icon to run the SC7000 utility program .

5.2.4 Screen Fonts

Windows screen fonts are built into the SC7000 printer driver. No additional setup is required except the printer driver setup.

After installing the SC7000 printer driver as described above, fonts can be easily selected from within your application program. Please refer to the documentation of your application software for information on how to select a particular font.

Try Windows Write (Windows 3.1x) or WordPad (Windows 95) from **Accessories** to look at the fonts which are installed on your system. Select **Fonts** from the respective menu to see a list of available fonts.

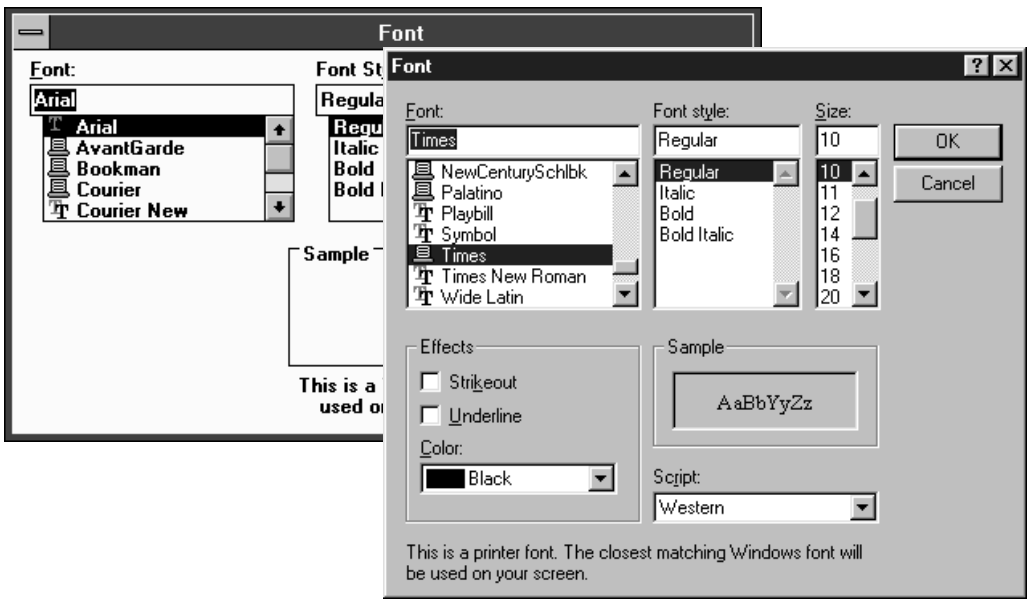

Figure 5.8: Write's & WordPad's Fonts Dialog Box (Windows)

Note that all SC7000 fonts bear a printer icon on their left. The printer icon designates a printer font. Other fonts bear a TT icon to indicate TrueType format or have no icon at all.

Some TrueType font names closely resemble their printer font equivalents. Always use the SC7000 printer fonts indicated by the printer icon in your documents. When using TrueType fonts instead, typefaces may appear different on screen and on printed paper. Both the font metric information (i.e. the spacing between characters) used for page make-up by your application program and the shape of the characters may be different.

The explanation above refers to the on-screen display of resident fonts. Be cautious to use the same fonts for display and printing.

If you want to use a particular TrueType font for display and printing, you are free to do so. In this case, the printer driver must be configured to send the font in Type 42 format and not to replace it by a PostScript font.

See the section about system setup for additional information about printer driver setup. Make sure to read the typefaces section of the *SC7000 User Manual* on font-related topics.

5.3 MS-DOS

5.3.1 SC7000 Utility and Scan Utility

To install the SC7000 utility and the scan utility for MS-DOS, the files **SC7DOS.EXE** and **DOSSCAN.EXE** must be copied to your computer's hard disk. A batch file **INSTALL.EXE** is provided for your convenience, but you may also use the **COPY** command from MS-DOS if you prefer.

An ASPI (Advanced SCSI Programming Interface) driver must be installed in order to use the SC7000 scan utility for MS-DOS.

Insert the SC7000 Installer CD-ROM into your CD-ROM drive. From the DOS prompt, type

E: <ENTER>

to select your CD-ROM drive as the current drive. Replace **E**: by the appropriate drive letter if your CD-ROM drive is not drive **E**:.

Type

CD US_ENG<ENTER>
CD DOS <ENTER>

to change to the **DOS** directory which contains the CD-ROM.

Type

INSTALL <ENTER>

from the DOS prompt to copy the utilities to the default destination directory C:\RISO on your hard disk.

Select **DOS** and press **ENTER** to start installation.